

ABSTRACT

Disclosed is a device for filtering out a null packet in a data stream for example an MPEG-2 TS (Transport Stream) to avoid bandwidth waste when it is transmitted to a backbone network. The device includes a plurality of receiving interfaces, a filter unit, and
5 a controller. The receiving interfaces receive parallel data, such as DVB-ASI (Digital Video Broadcasting - Asynchronous Serial Interface) inputs as channel-by-channel MPEG-2 data. The filter unit counts the respective numbers of data packets and non-data packets of the data input from the receiving interfaces and filters a null packet in the data. A network transmission unit transmits the filtered data to a backbone network. The
10 controller calculates a bit rate based on both of the count numbers received from the filter unit.